

# TSR ENGINEERING COMPANY

AFFILIATE OF McCARTY BROS., INC.

November 10, 1983

EPA Region 5 Records Ctr.



351290

U.S. EPA  
230 South Dearborn  
Code 5HR  
Chicago, Illinois 60604

Attention: Mr. Michael O'Tool

Dear Mr. O'Tool:

This letter is to confirm the several recent telephone conversations which you had with our representative, Mr. Ed DeGrenier. TSR Engineering is extremely interested in working with you on the elimination of the cyanide contaminated photographic film chips now stored in various trailers and warehouses in the state of Illinois.

Please be advised that while TSR Engineering itself is a relatively new company, the principals including the writer, have had extensive experience in dealing with cyanides and other toxic waste treatment problems over the past 30 years. As you know, cyanides are used extensively in the metal finishing industry, and are also produced as a by-product in coke manufacturing. The writer has worked in both of these areas and is fairly familiar with the treatment of both complexed and noncomplexed (non-amenable to chlorination and amenable to chlorination) cyanide compounds.

At the present time we are preparing documentation for a possible patent application for detoxifying photographic film chips which have become contaminated with cyanides during silver stripping operations. As you certainly recognize, the problem is somewhat complicated by the fact that not only is the exterior of the film contaminated with cyanide compounds, but some of these compounds have been absorbed by the film surfaces. We feel very confident that our techniques will totally detoxify the film itself, and produce a water discharge meeting even surface discharge limitations promulgated by both the federal and state EPA regulations.

The technology which we plan to employ, makes use of a number of closed loop, recirculating systems and incorporates chlorination technology. The pending patent application will in effect be a process patent rather than a product patent. Therefore, we will not be dealing with a proprietary product, but rather with the application of our techniques with well established, time-tested chemistry.

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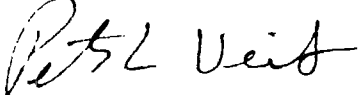
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We would be most pleased to meet with you to further discuss our abilities. Furthermore, we could process a limited quantity of chips and present them to you for testing, together with the effluent which we propose to discharge from our system.

Enclosed for your information is a brief one page write up on our company. As stated above, while we may not have an extensive track record as a company, we do have a rather impressive record for each of the components making up the company. Thank you very much for your consideration.

Very truly yours,

TSR ENGINEERING COMPANY

A handwritten signature in dark ink, appearing to read "P. L. Veit", is written over the typed name.

Peter L. Veit  
President

PLV:lm  
Enclosure

# TSR ENGINEERING COMPANY

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The TSR Engineering Company (signifying Total System Responsibility) is a unique organization newly created to fill a need for the design, procurement, and installation of pollution abatement and complete metal finishing systems. Acting as one single source, and assuming one single responsibility, TSR Engineering will be able to offer - system design - system procurement - system installation - and system maintenance services.

While the company is new, its principals and affiliates represent over 90 years of experience in aerobic, anaerobic, and other industrial waste water treatment systems, air pollution control, metal finishing and pickling plant design, energy management, refrigeration, and mechanical, electrical, and piping installation of chemical, plating, and waste treatment plants.

Above all, TSR Engineering is flexible. Depending on the client's requirements, anything from a simple engineering survey to a completely installed, turnkey project can be provided.

The three affiliated entities making up TSR are; Process and Environmental Equipment Unlimited, McCarty Bros., Inc., and Peter L. Veit.

Process and Environmental Equipment Unlimited is a thirteen year old environmental manufacturers' representative organization with significant engineering capabilities. With annual sales of over three million dollars, they have designed and provided over seven complete biological systems for major U.S. companies in the past two years. Prior to his assuming the presidency of Environmental Equipment Unlimited, Dick Ryan, P.E., served as industrial engineering sales manager for a major manufacturer of aerobic systems. Prior to that, he was a turnkey project manager for a consulting engineering firm.

McCarty Bros., Inc., is a fifty year old mechanical contracting company specializing in engineering intensive construction projects dealing with energy management, chemical, refrigeration, metal finishing processes, waste treatment systems, and air pollution control. With annual sales of four to six million dollars and an experienced service department, McCarty Bros., Inc. will provide the in-house construction and installation expertise.

Peter L. Veit will serve as president and principal process engineer of TSR. He has over ten years of design and managerial experience with a major waste water engineering company, eight years of direct metal finishing production experience, and over twelve years of field service and process design (both in this country and Europe) for a major metal finishing supply house. In addition to designing numerous metal finishing related waste treatment systems, and a number of complete plating plants, in the past several years Mr. Veit also designed three multi-million dollar power company coal pile rain water run-off systems.

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